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und 148. (NEW) The recording and/or reproducing method as claimed in claim 147, wherein the reproducing of the file comprises analyzing recording/reproduction bit rate information, defect management information, file allocation information, and file buffering information according to the real time recording/reproduction information.

REMARKS

Claims 38 through 62, 93 and 95 through 141 are pending, claims 38 through 43, 46, 50, 52 and 56 through 62 have been amended and claims 142 through 148 have been newly added. No new matter is presented in this Preliminary Amendment.

It is respectfully requested that this Preliminary Amendment be entered in the above-referenced application.

If there are any additional fees associated with filing of this Preliminary Amendment, please charge the same to our Deposit Account No. 19-3935.

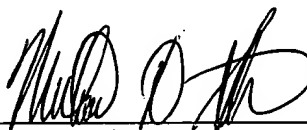
Respectfully submitted,

STAAS & HALSEY LLP

Date:

10/10/01

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND the following claims:

38. (TWICE AMENDED) A recording and/or reproducing method comprising [the steps of]:

[(a)] arranging and recording real time files requiring real time recording/reproduction according to real time recording/reproduction in a recording medium according to real time recording/reproduction information for ensuring real time reproduction, and recording the real time recording/reproduction information in the recording medium; and

[(b)] reading and reproducing the real time files using the real time recording/reproduction information.

39. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (a)] recording of the real time recording/reproduction information comprises storing the real time recording/reproduction information in a file control information area of the recording medium.

40. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (a)] recording of the real time recording/reproduction information comprises storing the real time recording/reproduction information in a file control information area of a UDF system of the recording medium.

41. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (a)] recording of the real time recording/reproduction information comprises storing the real time recording/reproduction information in each corresponding real time file.

42. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (a)] comprises storing the real time recording/reproduction information associated with the real time files in a separate file from the real time files.

43. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (a)] recording of the real time recording/reproduction information comprises storing the real time recording/reproduction information in a volume structure area of the recording medium.

46. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 45, the [step (a)] arranging comprises automatically arranging file data areas of the real time files according to the recording/reproduction bit rate information.

50. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 48, wherein the [step (a)] recording of the real time recording/reproduction information comprises [the step (a1)] if an end portion of one of the real time files is not filled with data by one of the minimum contiguous storage blocks while the one real time file is recorded in units of the minimum contiguous storage blocks, recording as the real time recording/reproduction information an attribute indicating that a number of data blocks corresponding to a size of the unfilled portion are allocated but unrecorded.

52. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 51, wherein the [step (a)] arranging comprises arranging the real time files in the classified minimum contiguous storage blocks.

56. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (b)] reading and reproducing the real time files comprises [the steps of]:

[(b1)] reading a volume area on the recording medium; and

[(b2)] reproducing a file as one of the real time files in consideration of the real time recording/reproduction information if the real time recording/reproduction information exists in the volume area.

57. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 56, wherein the [step (b2)] reproducing of the file comprises analyzing recording/reproduction bit rate information, defect management information, file allocation information, and file buffering information according to the real time recording/reproduction information in the volume area, and reading and reproducing file data in minimum contiguous storage blocks of the file.

58. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the [step (b)] reading and reproducing the real time files comprises [the steps of]:

[(b1)] determining whether the real time recording/reproduction information exists in a file area; and

[(b2)] reproducing a file in consideration of the real time recording/reproduction information if the real time recording/reproduction information exists in the file area.

59. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 58, wherein the [step (b2)] reproducing of the file comprises analyzing recording/reproduction bit rate information, defect management information, file allocation information, and file buffering information according to the real time recording/reproduction information in the file area, and reading and reproducing file data in minimum contiguous storage blocks.

60. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 38, wherein the method further comprises [the step of]:

[(c)] copying a file to a free area from which a defective block is excluded, based upon the real time recording/reproduction information and general defect management information recorded on the recording medium.

61. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 60, wherein the [step (c)] copying of the file comprises copying the real time recording/reproduction information and the file together.

62. (TWICE AMENDED) The recording and/or reproducing method as claimed in claim 60, wherein the [step (c)] copying of the file comprises copying only real time file data based on the real time recording/reproduction information.

Please ADD the following claims:

142. (NEW) A recording and/or reproducing method comprising the steps of:
recording real time files requiring real time recording and/or reproduction on a recording medium according to real time recording and/or reproduction information for ensuring real time reproduction;
recording the real time recording and/or reproduction information in a file type field in an (ICB) TAG field of a file entry for a universal disk format (UDF) system.

143. (NEW) The recording and/or reproducing method as claimed in claim 142, further comprising reproducing the real time files using the real time recording/reproduction information.

144. (NEW) The recording and/or reproducing method as claimed in claims 142, wherein the recording of the real time files and the real time recording and/or comprises storing the real time recording/reproduction information in corresponding ones of the real time files.

145. (NEW) The recording and/or reproducing method as claimed in claim 142, wherein the real time recording/reproduction information includes file indication information indicating that the real time files require real time recording and/or reproduction.

146. (NEW) The recording and/or reproducing method as claimed in claim 142, wherein the real time recording/reproduction information includes at least one of recording/reproduction bit rate information, information on minimum contiguous storage blocks satisfying a condition in which a playback time of a current data block is greater than a sum of a seek time and a read time of a data block to be played back next, and information on a playback time for ensuring minimum contiguous storage.

147. (NEW) The recording and/or reproducing method as claimed in claim 143, wherein the reproducing of the real time files comprises:

reading a volume area on the recording medium; and

reproducing a file as one of the real time files in accordance with the real time recording/reproduction information.

148. (NEW) The recording and/or reproducing method as claimed in claim 147, wherein the reproducing of the file comprises analyzing recording/reproduction bit rate information, defect management information, file allocation information, and file buffering information according to the real time recording/reproduction information.